

TABLE III—REPORTED DATA ELEMENT FORMAT—Continued

Data element	Minimum range	Accuracy	Resolution
Seat track position switch, foremost, status, right front passenger.	Yes or No .....	N/A .....	Yes or No.
Occupant size driver occupant 5 <sup>th</sup> female size (y/n).	Yes or No .....	N/A .....	Yes or No.
Occupant position size right front passenger child (y/n).	Yes or No .....	N/A .....	Yes or No.
Occupant position classification, driver oop (y/n).	Yes or No .....	N/A .....	Yes or No.
Occupant position classification, right front passenger oop (y/n).	Yes or No .....	N/A .....	Yes or No.
Multi-event, number of events (1, 2).	1 or 2 .....	N/A .....	1 or 2.
Time from event 1 to 2 .....	0 to 5.0 sec .....	0.1 sec .....	0.1 sec.
Complete file recorded (y/n) ....	Yes or No .....	N/A .....	Yes or No.

(b) Acceleration Time-History data and format: the longitudinal, lateral, and normal acceleration time-history data, as applicable, must be filtered either during the recording phase or during the data downloading phase to include:

(1) The Time Step (TS) that is the inverse of the sampling frequency of the acceleration data and which has units of seconds;

(2) The number of the first point (NFP), which is an integer that when multiplied by the TS equals the time relative to time zero of the first acceleration data point;

(3) The number of the last point (NLP), which is an integer that when multiplied by the TS equals the time relative to time zero of the last acceleration data point; and

(4) NLP—NFP + 1 acceleration values sequentially beginning with the acceleration at time NFP \* TS and continue sampling the acceleration at TS increments in time until the time NLP \* TS is reached.

[73 FR 2183, Jan. 14, 2008]

#### § 563.9 Data capture.

The EDR must capture and record the data elements for events in accordance with the following conditions and circumstances:

(a) In a frontal or side air bag deployment crash, capture and record the current deployment data, up to two events. The memory for each air bag deployment event must be locked to

prevent any future overwriting of these data.

(b) In a deployment event that involves another type of deployable restraint (e.g., pretensioners, knee bolsters, pedestrian protection, etc.), or in a non-deployment event that meets the trigger threshold, capture and record the current non-deployment data, up to two events, subject to the following conditions:

(1) If an EDR non-volatile memory buffer void of previous-event data is available, the current non-deployment event data is recorded in the buffer.

(2) If an EDR non-volatile memory buffer void of previous-event data is not available, the manufacturer may choose either to overwrite the previous non-deployment event data with the current non-deployment event data, or not to record the current non-deployment event data.

(3) EDR buffers containing previous deployment-event data must not be overwritten by the current non-deployment event data.

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#### § 563.10 Crash test performance and survivability.

(a) Each vehicle subject to the requirements of S5, S14.5, S15, or S17 of 49 CFR 571.208, *Occupant crash protection*, must comply with the requirements in subpart (c) of this section when tested according to S8, S16, and S18 of 49 CFR 571.208.